Welcome to. . . .

CSE 143 Section AB

C++ Jeopardy!!!!

Rules:

Break into 3 groups

The group in control of the board chooses the box they'd like to try and answer

Your group must have your answer ready when you 'Buzz in' (slap the table)

First group to buzz in and answer correctly gets points and control of the board!

Correct Answer = + however many points the question is worth.

Incorrect Answer = - however many points the question is worth.

CSE 143

C++ Jeopardy

	Constructors	Consts	Design and Style	Wild Card! (misc. Qs)
100				
200				
300				
400				

Wild Card

100:
What is the difference between the following stream states:

Cin.good( );

iFile.eof( );

200:
What, exactly, happens when a file is specified in a #include?

300:
If I had the following string:

CSE 143 Jeopardy is a great game!

What is one way, given this string, to get the word 'Jeopardy' out of it? You do not have to write code, just give a good, solidly designed answer.

400:
DAILY DOUBLE! How much will you wager? A correct answer will give you DOUBLE your points!

Design the class called for in the following scenario in 30 seconds or less:

Your goal is to create a program that will keep track of the status of each room on campus. To do this, you need to design a room class. The class should include some private data about each room—i.e., has it been assigned, current class if it has been assigned, location in building, location on campus, times available, whats in it, etc—as well as some member functions that will allow the user of this class to access and manipulate this data. You must decide what functionality to provide the user of your class. You don't have to implement it, but be as specific as possible!

Constructors

100:
How many constructors are called in the following code? Assume that cseStudent is a class, and that it has all constructors.

```
cseStudent Steve;
cseStudent Steve[101];
```

200:
What happens if there is no default constructor written, and you try and make an instance of a class?

300:
Why, in detail, doesn't the compiler give an error if you specify multiple constructors, each with different parameters?

400:
Why, in detail, doesn't the following work? Assume that cseStudent is a class, and that it has all constructors.

```
cseStudent Steve;
Steve = cseStudent("Steve", true, 4.0);
```

Consts:

100:
What does making a member function of a class ‘const’ mean?

200:
What happens when the following code is executed?

```
void test(const int * a, const int b) {
	return (*a + b);
}

int main ( ) {
	int x = 0;
	int y = 10;
	test(x, y);
	cout << x << y << endl;
	return 0;
}
```

300:
Why, in detail, is declaring a constructor ‘const’ generally a bad idea unless you know EXACTLY what you’re doing?

400:
What, in detail, is the difference between the following variables:

```
#define PI 3.14
```

- and -

```
const double PI = 3.14;
```

Design and Style

100:
What is the definition of an ‘module’, or object?

200:
List 3 reasons why a specification and implementation of a class is split into 2 files.

300:
What is the ABSOLUTE first thing you should do when confronted by a new problem?

400:
List at least 5 reasons why EFFECTIVE COMMENTING is something we grade on here in CSE 143!